



Specifications for Water Sheet:

March, 2010

General Structure Design and Construction:

The Water Sheet is a feature that emits a sheet of water from an upper horizontal bar onto users below. Feature standard height is 9'0" from mounting pad to top of upper water bar. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease sheeting effect. The manufacturer shall supply a complete assembly including: water sheet tube structure, (2) base skirts, anchoring system, gaskets, fasteners, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Water Sheet is exclusively manufactured by Aquatic Recreation Company, LLC, Toll Free Phone #877-632-0503, Local Phone #952-445-5135, Fax #952-345-6444, Website: www.arc4waterplay.com.

Structure:

Structure to have (2) components: tubular structure and base skirts. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacture.

Tubular Structure:

Structure shall be manufactured from smooth 6-inch diameter tube with standard 150-lb. mounting flanges on each end. Entire structure constructed from fiberglass re-enforced plastic with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification.

Water Sheet Nozzle:

The Water Sheet nozzle is a proprietary product design that includes an internal sheet-flow distribution manifold. This water sheet nozzle and manifold allows for the water to be redirected and evenly proportioned throughout the cross bar to create a more uniform water sheet effect at varying flows.

Base Skirt:

Base skirt to be fabricated from fiberglass re-enforced plastic with durable finish and fit over base mounting flange and mounting hardware. Base skirt to be a two-piece fabrication with vandal-proof stainless steel security fasteners for securing skirt to structure mounting flange.

Finish:

All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish coat to provide color protection in indoor or outdoor installations.

Colors:

Owner may select colors for each individual component: tubular water sheet structure and base skirts. Color options are White, Purple, Yellow, Blue, Green, Red, and Orange.

Mounting System:

Structure to be anchored to a thickened concrete slab with 5/8-inch anchoring studs. Studs to be drilled and anchored into place with a fast setting two-part component adhesive per manufacturer installation instructions.

Flow Rate Design:

Feature designed flow rate is available in either High Flow or Low Flow effects as listed below: (select one)

- Feature designed flow rate for this project is **High Flow**: _____ **GPM**, which will require a _____ **INCH** size pipe feed. This high flow rate will have approximately 1/2" thick sheet effects.
- Feature designed flow rate for this project is **Low Flow**: _____ **GPM**, which will require a _____ **INCH** size pipe feed This low flow rate will have approximately 1/4" thick sheet effects.

Interactive Flow Control Valve – (Optional):

Feature will be provided with 6" interactive flow control valve mounted to tubular structure. Interactive flow control valve to consist of a flanged mounted butterfly valve with modified disk to allow only 50% restriction, rubber molded wheel, and stainless steel hardware. (select one)

- This feature **will** be provided with Optional Interactive Flow Control Valve.
- This feature **will not** be provided with Optional Interactive Flow Control Valve.

Warranty:

Product warranty will be a five year warranty against defects in workmanship and materials. All finishes shall have a five year unconditional warranty against rust and corrosion. Warranties exclude normal wear and tear, abuse, improper installation and maintenance.

Packaging:

The Water Sheet shall be packaged with all necessary support and protective wrapping so as to protect components during normal shipping and handling. Care must be exercised during handling to avoid damage to product structure and finish.

Installation Instructions:

The Water Sheet will be provided with complete installation drawings and instructions. Please read all installation instructions prior to installation. Installer may call Aquatic Recreation Company LLC at their toll free number #877-632-0503 during installation if there are questions concerning this product.

- Product specifications subject to change at any time.